

FILE ID**SATSSS83

N 10

The image displays a large grid of binary digits (0s and 1s) arranged in a square pattern. The grid is organized into several horizontal bands of repeating binary sequences. The top band consists of alternating 'SS' and 'AA' pairs. Below this is a band of 'TT' pairs. The next two bands feature 'SS' and 'AA' sequences with some internal structure. The following four bands are composed of 'TT' and 'AA' sequences. The subsequent two bands show more complex internal structures for 'SS' and 'AA'. The bottom band contains a mix of 'LL' and 'SS' sequences. The entire grid is enclosed in a light gray border.

(1)	56	DECLARATIONS
(1)	86	CONDITION TABLES
(1)	112	TM SETUP, TM CLEANUP
(1)	175	CONDITION SUBROUTINES - SETUP AND CLEANUP
(1)	245	FORM CONDS
(1)	338	VERIFY
(1)	420	VFY_CLEANUP

0000 1 .TITLE SATSSS83,SATS SYSTEM SERVICE TESTS \$SETSWM (SUCC S.C.)
0000 2 .IDENT 'V04-000'
0000 3 *****
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0000 22 *
0000 23 *
0000 24 *
0000 25 *
0000 26 *****
0000 27 *
0000 28 *
0000 29 **
0000 30 * FACILITY: SYSTST (SATS SYSTEM SERVICE TESTS)
0000 31 *
0000 32 * ABSTRACT:
0000 33 *
0000 34 * THIS MODULE CONTAINS SUBROUTINES WHICH, WHEN LINKED
0000 35 * WITH SUCCOMMON.OBJ, FORM TEST MODULE SATSSS83 TO TEST SUCCESSFUL
0000 36 * OPERATION OF THE \$SETSWM SYSTEM SERVICE. THE SERVICE IS INVOKED
0000 37 * UNDER VARIOUS INPUT CONDITIONS WITH VARYING INPUT PARAMETERS. ONLY
0000 38 * SUCCESSFUL STATUS CODES ARE EXPECTED IN THIS TEST MODULE. CORRECT
0000 39 * OPERATION OF THE SERVICE FOR EACH OF ITS ISSUANCES IS VERIFIED BY
0000 40 * CHECKING FOR AN SSS NORMAL STATUS CODE, EXPECTED RETURN ARGUMENTS
0000 41 * AND EXPECTED FUNCTIONALITY PERFORMED.
0000 42 *
0000 43 * ENVIRONMENT: USER MODE IMAGE; NEEDS CMKRNL PRIVILEGE,
0000 44 * DYNAMICALLY ACQUIRES OTHER PRIVILEGES, AS NEEDED.
0000 45 *
0000 46 * AUTHOR: THOMAS L. CAFARELLA. CREATION DATE: JUL, 1977
0000 47 *
0000 48 * MODIFIED BY:
0000 49 *
0000 50 * V03-001 KDM0002 Kathleen D. Morse 28-Jun-1982
0000 51 * Added SSSDEF.
0000 52 *
0000 53 * 01 -
0000 54 *--

0000 56 .SBTTL DECLARATIONS
0000 57 :
0000 58 : INCLUDE FILES:
0000 59 :
0000 60 : SPRVDEF : PRIVILEGE BIT DEFINITIONS
0000 61 : SPHDDEF : PROCESS HEADER OFFSETS
0000 62 : SSSDEF : SYSTEM STATUS CODES
0000 63 :
0000 64 : MACROS:
0000 65 :
0000 66 :
0000 67 : EQUATED SYMBOLS:
0000 68 :
0000 69 :
0000 70 : OWN STORAGE:
0000 71 :

```
00000000 73 .PSECT RODATA,RD,NOWRT,NOEXE,LONG
0000 74 TEST_MOD_NAME:: STRING C,<SATSSS83> ; TEST MODULE NAME
0009 75 TEST_MOD_NAME_D: STRING I,<SATSSS83> ; TEST MODULE NAME DESCRIPTOR
0019 76 MSG1_INP_CTL: STRING I,< SSSSM!4ZW: CONDITIONS:>
0039 77 ; FAO CTL STRING FOR MSG1 IN SUCOMMON.MAR
0039 78 MSG3_ERR_CTL:: STRING I,< *SSSSM!4ZW: !AS>
0051 79 ; FAO CTL STRING FOR MSG3 IN SUCOMMON.MAR
```

SATSSS83
V04-000

F 11
SATS SYSTEM SERVICE TESTS \$SETSM (SUCC 16-SEP-1984 01:06:07 VAX/VMS Macro V04-00
DECLARATIONS 5-SEP-1984 04:34:00 [UETPSY.SRC]SATSSS83.MAR;1 Page 4
(1)

00000000 81 .PSECT RWDATA,RD,WRT,NOEXE,LONG
00000008 0000 82 PRIVMASK: .BLKQ 1 ; ADDR OF PRIVILEGE MASK (IN PHD)
09 01 0008 83 STATCODES: .BYTE SSS_WASCLR, - ; EXPECTED
000A 84 SSS_WASSET ; ... STATUS CODES

000A 86 .SBTTL CONDITION TABLES
000A 87 :
000A 88 : ***** CONDITION TABLES FOR SETSWM SYSTEM SERVICE *****
000A 89 :
000A 90 COND 1, LONG, <SWPFLG>,-
000A 91 <SWAPPING DISABLED>,-
000A 92 <SWAPPING ENABLED>,-
000A 93
00000000 003D 94 .LONG 0 : DISABLED
00000001 0041 95 .LONG 1 : ENABLED
0045 96 :
0045 97 COND 2, NOTARG, <PREVIOUS SWAP MODE>,-
0045 98 <SWAPPING PREVIOUSLY DISABLED>,-
0045 99 <SWAPPING PREVIOUSLY ENABLED>,-
0045 100
00000000 009A 101 .LONG 0 : DISABLED
00000001 009E 102 .LONG 1 : ENABLED
00A2 103 :
00A2 104 COND 3, NULL
00A3 105
00A3 106 COND 4, NULL
00A4 107
00A4 108 COND 5, NULL
00A5 109
00000000 110 .PSECT SATSSS83.RD,WRT,EXE

0000 112 .SBTTL TM_SETUP, TM_CLEANUP
 0000 113 ++
 0000 114 FUNCTIONAL DESCRIPTION:
 0000 115
 0000 116 TM SETUP AND TM_CLEANUP ARE CALLED TO PERFORM
 0000 117 REQUIRED HOUSEKEEPING AT THE BEGINNING AND END, RESPECTIVELY, OF
 0000 118 TEST MODULE EXECUTION.
 0000 119
 0000 120 CALLING SEQUENCE:
 0000 121
 0000 122 BSBW TM_SETUP BSBW TM_CLEANUP
 0000 123
 0000 124 INPUT PARAMETERS:
 0000 125
 0000 126 NONE
 0000 127
 0000 128 IMPLICIT INPUTS:
 0000 129
 0000 130 NONE
 0000 131
 0000 132 OUTPUT PARAMETERS:
 0000 133
 0000 134 NONE
 0000 135
 0000 136 IMPLICIT OUTPUTS:
 0000 137
 0000 138 TM_SETUP: COND TABLE INDEX REGISTERS (R2,3,4,5,6) CLEARED;
 0000 139 ALL PRIVILEGES ACQUIRED.
 0000 140
 0000 141 COMPLETION CODES:
 0000 142
 0000 143 EFLAG SET TO NON-ZERO IF ERROR ENCOUNTERED.
 0000 144
 0000 145 SIDE EFFECTS:
 0000 146
 0000 147 SS CHECK AND ERR_EXIT MACROS CAUSE PREMATURE EXIT
 0000 148 (VIA RSB) IF ERROR ENCOUNTERED.
 0000 149
 0000 150 :--
 0000 151
 0000 152
 0000 153
 0000 154 TM_SETUP::
 52 D4 0000 155 CLRL R2 : INITIALIZE
 53 D4 0002 156 CLRL R3 : .. CONDITION
 54 D4 0004 157 CLRL R4 : TABLE
 55 D4 0006 158 CLRL R5 : INDEX
 56 D4 0008 159 CLRL R6 : REGISTERS
 FFF3. 30 000A 160 BSBW MOD_MSG PRINT : PRINT TEST MODULE BEGIN MSG
 03 00 00000000'EF DE 000D 161 MOVAL TEST_MOD_SUCC,TMD_ADDR : ASSUME END MSG WILL SHOW SUCCESS
 00000000'8F FO 0018 162 INSV #SUCCESS,#0,#3,MOD_MSG_CODE ; ADJUST STATUS CODE FOR SUCCESS
 00000000'EF 0020
 59 00000000'9F D0 0025 163 MODE TO_58_KRNL : KERNEL MODE TO ACCESS PHD
 00000000'EF 69 DE 0048 164 MOVL #CTL\$GL_PHD,R9 : GET PROCESS HEADER ADDRESS
 0004F 165 MOVAL PHDSQ_PRIVMSK(R9),PRIVMASK : GET PRIV MASK ADDRESS
 0056 166 MODE FROM_58 : BACK TO USER MODE
 0057 167 PRIV ADD,ALL : GET ALL PRIVILEGES

SATSSS83
V04-000

I 11
SATS SYSTEM SERVICE TESTS \$SETSWM (SUCC 16-SEP-1984 01:06:07 VAX/VMS Macro V04-00
TM_SETUP, TM_CLEANUP 5-SEP-1984 04:34:00 [UETPSY.SRC]SATSSS83.MAR;1 Page 7
(1)

	0077	168	\$SETPRN S TEST_MOD_NAME_D	: SET PROCESS NAME
	0084	169	SS CHECK NORMAL	: CHECK STATUS CODE RETURNED FROM SETPRN
05	00AE	170	RSB	: RETURN TO MAIN ROUTINE
	00AF	171	TM_CLEANUP::	
FF4E'	30	00AF	172 BSBW MOD_MSG_PRINT	: PRINT TEST MODULE END MSG
	05	00B2	173 RSB	: RETURN TO MAIN ROUTINE

00B3 175

.SBTTL CONDITION SUBROUTINES - SETUP AND CLEANUP

00B3 176

++
FUNCTIONAL DESCRIPTION:

00B3 177

CONDX AND CONDX CLEANUP ARE SUBROUTINES WHICH ARE EXECUTED BEFORE AND AFTER THE VERIFY SUBROUTINE, RESPECTIVELY, WHENEVER A NEW CONDITION X VALUE IS SELECTED (SEE FUNCTIONAL DESCRIPTION OF SUCCOMMON ROUTINE IN SUCCOMMON.MAR). ANY SETUP FUNCTION PARTICULAR TO THE CONDITION X TABLE IS INCLUDED IN THE CONDX SUBROUTINE AND CLEANED UP, IF NECESSARY, IN THE CONDX CLEANUP SUBROUTINE. THIS INCLUDES, ESPECIALLY, CODE TO DETECT CONFLICTS AMONG CURRENT ENTRIES IN TWO OR MORE CONDITION TABLES. IF A CONFLICT IS DETECTED, A NON-ZERO VALUE IS STORED INTO CONFLICT, WHICH CAUSES THE CALLING ROUTINE (SUCCOMMON) TO SKIP THE CURRENT ENTRY IN THE CONDITION X TABLE.

00B3 178

00B3 179

00B3 180

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00B3 215

00B3 216

00B3 217

00B3 218

00B3 219

00B3 220

00B3 221

00B3 222

00B3 223

00B3 224

05 00B3 225

00B4 226

05 00B4 227

00B5 228

05 00B5 229

00B6 230

05 00B6 231

RSB

COND1::

COND1_CLEANUP::

RSB

COND2::

RSB

COND2_CLEANUP::

RSB

: RETURN TO MAIN ROUTINE

05	0087	232	COND3::	
		233	RSB	; RETURN TO MAIN ROUTINE
05	0088	234	COND3_CLEANUP::	
		235	RSB	; RETURN TO MAIN ROUTINE
05	0089	236	COND4::	
		237	RSB	; RETURN TO MAIN ROUTINE
05	008A	238	COND4_CLEANUP::	
		239	RSB	; RETURN TO MAIN ROUTINE
05	008B	240	COND5::	
		241	RSB	; RETURN TO MAIN ROUTINE
05	008C	242	COND5_CLEANUP::	
		243	RSB	; RETURN TO MAIN ROUTINE

00BD 245 .SBTTL FORM_COND
 00BD 246 :++
 00BD 247 : FUNCTIONAL DESCRIPTION:
 00BD 248 : FORM CONDS FORMATS AND PRINTS INFORMATION ABOUT
 00BD 249 : THE CURRENT ELEMENT IN EACH OF THE CONDITION TABLES.
 00BD 250 :
 00BD 251 : CALLING SEQUENCE:
 00BD 252 : BSBW FORM_COND
 00BD 253 :
 00BD 254 : INPUT PARAMETERS:
 00BD 255 :
 00BD 256 : NONE
 00BD 257 :
 00BD 258 : IMPLICIT INPUTS:
 00BD 259 :
 00BD 260 : R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES
 00BD 261 : FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.
 00BD 262 : FOR X = 1,2,3,4,5 :
 00BD 263 : CONDX_T - TITLE TEXT FOR CONDX TABLE
 00BD 264 : CONDX_TAB - ELEMENT TEXT FOR CONDX TABLE
 00BD 265 : CONDX_C - CONTEXT OF THE CONDX TABLE
 00BD 266 : CONDX_E - DATA ELEMENTS OF THE CONDX TABLE
 00BD 267 :
 00BD 268 :
 00BD 269 :
 00BD 270 : OUTPUT PARAMETERS:
 00BD 271 :
 00BD 272 : NONE
 00BD 273 :
 00BD 274 : IMPLICIT OUTPUTS:
 00BD 275 :
 00BD 276 : NONE
 00BD 277 :
 00BD 278 : COMPLETION CODES:
 00BD 279 :
 00BD 280 : NONE
 00BD 281 :
 00BD 282 : SIDE EFFECTS:
 00BD 283 :
 00BD 284 : NONE
 00BD 285 :
 00BD 286 :--
 00BD 287 :
 00BD 288 :
 00BD 289 :
 00BD 290 : FORM_COND:
 00BD 291 : \$FAO_S MSG1_INP_CTL,FAO_LEN,FAO_DESC,TESTNUM : FORMAT CONDITIONS HEADER MSG
 00DC 292 :
 14 FF21' 30 00DC 293 : BSBW OUTPUT_MSG : AND PRINT IT
 04 91 00DF 294 : CMPB #COND1_C,#NULL : IS CONDITION 1 NULL ?
 03 12 00E2 295 : BNEQU 10\$: NO -- CONTINUE
 00CB 31 00E4 296 : BRW FORM_COND\$X : YES -- SUBROUTINE IS FINISHED
 00BD 297 10\$:
 00BD 298 : MOVAL COND1_T,MSG_A : SAVE ADDRESS OF CONDITION 1 TITLE FOR FAO
 00BD 299 : MOVL COND1_TAB[R2],MSG_B : SAVE ADDR OF COND 1 CURR TEXT ELT FOR FAO
 00BD 300 : MOVB #COND1_C,MSG_TXT : SAVE CONDITION 1 CONTEXT FOR FAO
 00BD 301 : MOV_VAL COND1_C,[COND1_E[R2],MSG_DATA1 : GIVE COND 1 DATA VALUE TO FAO
 00000000'EF 0000000A'EF DE 00E7
 00000000'EF 00000012'EF42 DD 00F2
 00000000'EF 04 90 00FE
 0105

14 FEC' 30 0111 302	BSBW	WRITE_MSG2	: FORMAT AND WRITE CONDITION 1 MSG	
00 91 0114 303	CMPB	#COND2_C,#NULL	: IS CONDITION 2 NULL ?	
03 12 0117 304	BNEQU	20\$: NO -- CONTINUE	
0096 31 0119 305	BRW	FORM_COND\$X	: YES -- SUBROUTINE IS FINISHED	
20\$:				
00000000'EF 00000045'EF	DE	011C 307	MOVAL COND2_T,MSG_A	: SAVE ADDRESS OF CONDITION 2 TITLE FOR FAO
00000000'EF 00000059'EF43	DO	0127 308	MOVL COND2_T@R3],MSG_B	: SAVE ADDR OF COND 2 CURR TEXT ELT FOR FAO
00000000'EF 00 90 0133 309	MOV	#COND2_C,MSG_{TXT}	: SAVE CONDITION 2 CONTEXT FOR FAO	
FEC' 30 013A 310	MOV VAL	COND2_C[COND2_E[R3]],MSG_DATA1	: GIVE COND 2 DATA VALUE TO FAO	
14 91 013D 311	BSBW	WRITE_MSG2	: FORMAT AND WRITE CONDITION 2 MSG	
03 12 0140 312	CMPB	#COND3_C,#NULL	: IS CONDITION 3 NULL ?	
006D 31 0142 313	BNEQU	30\$: NO -- CONTINUE	
30\$:				
00000000'EF 000000A2'EF	DE	0145 315	BRW FORM_COND\$X	: YES -- SUBROUTINE IS FINISHED
00000000'EF 000000A2'EF44	DO	0150 316	MOVAL COND3_T,MSG_A	: SAVE ADDRESS OF CONDITION 3 TITLE FOR FAO
00000000'EF 14 90 015C 317	MOV	COND3_T@R4],MSG_B	: SAVE ADDR OF COND 3 CURR TEXT ELT FOR FAO	
FE9A' 30 0163 318	MOV VAL	#COND3_C,MSG_{TXT}	: SAVE CONDITION 3 CONTEXT FOR FAO	
14 91 0166 319	BSBW	COND3_C[COND3_E[R4]],MSG_DATA1	: GIVE COND 3 DATA VALUE TO FAO	
47 13 0169 320	CMPB	WRITE_MSG2	: FORMAT AND WRITE CONDITION 3 MSG	
COND4_C,#NULL	BEQLU	FORM_COND\$X	: IS CONDITION 4 NULL ?	
00000000'EF 000000A3'EF	DE	016B 321	MOVAL COND4_T,MSG_A	: YES -- SUBROUTINE IS FINISHED
00000000'EF 000000A3'EF45	DO	0176 322	MOVL COND4_T@R5],MSG_B	: SAVE ADDRESS OF CONDITION 4 TITLE FOR FAO
00000000'EF 14 90 0182 323	MOV	#COND4_C,MSG_{TXT}	: SAVE ADDR OF COND 4 CURR TEXT ELT FOR FAO	
FE74' 30 0189 324	MOV VAL	COND4_C[COND4_E[R5]],MSG_DATA1	: SAVE CONDITION 4 CONTEXT FOR FAO	
14 91 018C 325	BSBW	WRITE_MSG2	: FORMAT AND WRITE CONDITION 4 MSG	
21 13 018F 326	CMPB	#COND5_C,#NULL	: IS CONDITION 5 NULL ?	
COND5_C,#NULL	BEQLU	FORM_COND\$X	: YES -- SUBROUTINE IS FINISHED	
00000000'EF 000000A4'EF	DE	0191 327	MOVAL COND5_T,MSG_A	: SAVE ADDRESS OF CONDITION 5 TITLE FOR FAO
00000000'EF 000000A4'EF46	DO	019C 328	MOVL COND5_T@R6],MSG_B	: SAVE ADDR OF COND 5 CURR TEXT ELT FOR FAO
00000000'EF 14 90 01A8 329	MOV	#COND5_C,MSG_{TXT}	: SAVE CONDITION 5 CONTEXT FOR FAO	
FE4E' 30 01AF 330	MOV VAL	COND5_C[COND5_E[R6]],MSG_DATA1	: GIVE COND 5 DATA VALUE TO FAO	
01AF 331	BSBW	WRITE_MSG2	: FORMAT AND WRITE CONDITION 5 MSG	
01B2 332	RSB		: RETURN TO CALLER	
FORM_COND\$X:				
05 01B2 333				
01B2 334				
05 01B2 335				
01B2 336				

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.SBTTL VERIFY

** FUNCTIONAL DESCRIPTION:

VERIFY IS CALLED ONCE FOR EACH COMBINATION OF CONDITION TABLE VALUES (AS DETERMINED BY THE INDEX REGISTERS R2,3,4,5,6 FOR COND TABLES 1,2,3,4,5, RESPECTIVELY). VERIFY ESTABLISHES THE CONDITIONS SPECIFIED BY THE COND TABLES AND ISSUES THE SUBJECT SYSTEM SERVICE (\$SETSM). THEN THE SUCCESSFUL OPERATION OF THE SERVICE IS VERIFIED BY EXAMINING THE STATUS CODE RETURNED. THE VALUES FOR RETURN ARGUMENTS AND THE FUNCTIONALITY PERFORMED. THE EXAMINATIONS TAKE THE FORM OF COMPARISONS AGAINST EXPECTED VALUES. ANY FAILING COMPARISON CAUSES AN ERR EXIT MACRO TO BE EXECUTED (EITHER DIRECTLY, OR INDIRECTLY, THROUGH THE SS CHECK MACRO); ERR_EXIT SETS EFLAG TO NON-ZERO, PRINTS ERROR MESSAGES AND CAUSES AN IMMEDIATE RSB TO CALLER. WHEN ERR EXIT IS EXECUTED, FURTHER CALLS TO VERIFY ARE SUPPRESSED, AND, AFTER EXECUTING CLEANUP SUBROUTINES, THE IMAGE EXITS.

CALLING SEQUENCE:

BSBW VERIFY

INPUT PARAMETERS:

NONE

IMPLICIT INPUTS:

R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.

FOR X = 1,2,3,4,5 :

CONDX_E - ADDRESS OF TABLE OF DATA VALUES FOR CONDX TABLE. IF THE CONTEXT OF TABLE X IS A SYSTEM SERVICE ARGUMENT, THE ARGUMENT NAME MAY BE USED AS A SYNONYM FOR CONDX_E.

OUTPUT PARAMETERS:

NONE

IMPLICIT OUTPUTS:

VERIFY HAS NO OUTPUT. SINCE ITS PURPOSE IS TO TEST FOR ERRORS, IT MERELY RETURNS TO CALLER NORMALLY AFTER THE TESTS, PROVIDING ALL WERE SUCCESSFUL; IF AN ERROR IS DISCOVERED, RETURN IS VIA AN ERR_EXIT OR SS_CHECK MACRO, BOTH OF WHICH DOCUMENT DETECTED ERRORS.

COMPLETION CODES:

EFLAG SET TO NON-ZERO IF ERROR ENCOUNTERED.

SIDE EFFECTS:

SS_CHECK AND ERR_EXIT MACROS CAUSE PREMATURE EXIT (VIA RSB) IF ERROR ENCOUNTERED.

01B3 395 :--
01B3 396
01B3 397
01B3 398
01B3 399 VERIFY::
00000000'EF 95 01B3 400 TSTB : SHOULD CONDITIONS BE PRINTED ?
03 13 01B9 401 BEQL : NO -- CONTINUE
FEFF 30 01BB 402 BSBW : YES -- FMT & PRINT ALL CONDS FOR THIS T.C.
01BE 403 \$S:
01BE 404 SSETSWM_S COND2_E[R3] ; ISSU PRELIM SERV TO ESTAB "PREV" CONDITION
01CC 405 :
01CC 406 : ***** SYSTEM SERVICE CALL WHICH IS THE SUBJECT OF THIS TEST CASE *****
01CC 407 :
59 00000008'EF 43 9A 01CC 408 SSETSWM_S SWPFLG[R2] ; ISSUE SUBJECT SERVICE
59 50 D1 01DA 409 MOVZBL STATCODES[R3],R9 ; GET EXPECTED STATUS CODE
03 12 01E2 410 CMPL R0,R9 ; CODE RECEIVED = CODE EXPECTED ?
005B 31 01E5 411 BNEQ 10\$: NO -- GO PROCESS ERROR
00000000'EF 59 D0 01EA 412 BRW VERIFYX : YES -- ALL FINISHED
00000000'EF 50 D0 01F1 413 10\$:
01F8 414 MOVL R9,EXPV : LOAD UP EXPECTED AND
01F8 415 MOVL R0,RECV : RECEIVED VALUES, THEN EXIT
0245 416 ERR_EXIT LONG,<INCORRECT STATUS CODE RETURNED BY SETSWM>
05 0245 417 VERIFYX: ; RETURN TO CALLER
0245 418 RSB

0246 420 .SBTTL VFY_CLEANUP
0246 421 ++
0246 422 FUNCTIONAL DESCRIPTION:
0246 423
0246 424 VFY CLEANUP EXECUTES SYSTEM SERVICES TO UNDO THE
0246 425 EFFECT OF THOSE ISSUED IN THE VERIFY SUBROUTINE. VFY CLEANUP MUST
0246 426 ASSUME THAT VERIFY MAY NOT HAVE EXECUTED IN ITS ENTIRETY (IF AN
0246 427 ERROR IS FOUND). ALSO, VFY CLEANUP MAY ISSUE SS CHECK OR ERR-EXIT
0246 428 ONLY AFTER PERFORMING ALL OF ITS CLEANUP OPERATIONS; THIS IS REQUIRED
0246 429 IN THE EVENT THAT VFY CLEANUP IS CALLED DURING ERROR PROCESSING,
0246 430 WHEN PERFORMING THE REQUIRED CLEANUP IS MORE IMPORTANT THAN
0246 431 POSSIBLY DISCOVERING A SECOND ERROR.
0246 432
0246 433 CALLING SEQUENCE:
0246 434
0246 435 BSBW VFY_CLEANUP
0246 436
0246 437 INPUT PARAMETERS:
0246 438
0246 439 NONE
0246 440
0246 441 IMPLICIT INPUTS:
0246 442
0246 443 R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES
0246 444 FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.
0246 445 FOR X = 1,2,3,4,5 :
0246 446 CONDX_E - ADDRESS OF TABLE OF DATA VALUES FOR CONDX
0246 447 TABLE. IF THE CONTEXT OF TABLE X IS A SYSTEM SERVICE
0246 448 ARGUMENT, THE ARGUMENT NAME MAY BE USED AS A SYNONYM
0246 449 FOR CONDX_E.
0246 450
0246 451 OUTPUT PARAMETERS:
0246 452
0246 453 NONE
0246 454
0246 455 IMPLICIT OUTPUTS:
0246 456
0246 457 NONE
0246 458
0246 459 COMPLETION CODES:
0246 460
0246 461 EFLAG SET TO NON-ZERO IF ERROR ENCOUNTERED.
0246 462
0246 463 SIDE EFFECTS:
0246 464
0246 465 SS CHECK AND ERR EXIT MACROS CAUSE PREMATURE EXIT
0246 466 (VIA RSB) IF ERROR ENCOUNTERED.
0246 467
0246 468 --
0246 469
0246 470
0246 471
0246 472 VFY_CLEANUP:: : MAKE SURE SWAPPING IS ENABLED
0246 473 \$SETSWM_S #1
05 024F 474 RSB : RETURN TO CALLER
0250 475 .END

SSSS	= 00000202	R	04	MOD_MSG_CODE	*****	X	04
SSSCHARS	= 00000028			MOD_MSG_PRINT	*****	X	04
SSSCHARS1	= 0000001C			MSGT_INP_CTL	00000019	R	02
SSSCHARS2	= 0000001B			MSG3_ERR_CTL	00000039	RG	02
SSSCHARS3	= 00000000			MSG_A	*****	X	04
SSSCHARS4	= 00000000			MSG_B	*****	X	04
SSSCHARS5	= 00000000			MSG_CTXT	*****	X	04
SSSCOND_A	= 00000001			MSG_DATA1	*****	X	04
SSSSTRINGS	= 00000001			NOTARG	= 00000000	G	
SSSSTRINGS2	= 00000005			NULL	= 00000014	G	
SST2	= 00000004			OUTPUT_MSG	*****	X	04
BYTE	= 00000001	G		PCV	*****	X	04
CFLAG	*****	X	04	PHD\$Q PRIVMSK	= 00000000		
CHMRTN	*****	X	04	PRIVMASK	00000000	R	03
CHM_CONT	*****	X	04	PRIV_ARGS	= 00000002		
COMP_SC	*****	X	04	PROCESS_ERR	*****	X	04
CONDT	000000B3	RG	04	QUAD	= 00000008	G	
COND1_C	= 00000004			RECV	*****	X	04
COND1_CLEANUP	000000B4	RG	04	REST_REGS	*****	X	04
COND1_E	0000003D	R	03	SAVE_REGS	*****	X	04
COND1_H	00000011	RG	03	SS\$_NORMAL	= 00000001		
COND1_T	0000000A	R	03	SS\$_WASCLR	= 00000001		
COND1_TAB	00000012	R	03	SS\$_WASSET	= 00000009		
COND2_C	000000B5	RG	04	STATCODES	00000008	R	03
COND2_CLEANUP	= 00000000			SUCCESS	*****	X	04
COND2_E	000000B6	RG	04	SWPFLG	0000003D	R	03
COND2_H	0000009A	R	03	SYSSCMKRNL	*****	GX	04
COND2_T	00000058	RG	03	SYSSFAO	*****	X	04
COND2_TAB	00000045	R	03	SYSSSETPRN	*****	GX	04
COND3_C	00000059	R	03	SYSSSETPRV	*****	GX	04
COND3_CLEANUP	000000B7	RG	04	SYSSSETSWM	*****	GX	04
COND3_H	= 00000014			TESTNUM	*****	X	04
COND3_T	000000B8	RG	04	TEST_MOD_NAME	00000000	RG	02
COND3_TAB	000000A2	RG	03	TEST_MOD_NAME_D	00000009	R	02
COND4_C	000000A2	R	03	TEST_MOD_SUCC	*****	X	04
COND4_CLEANUP	000000B9	RG	04	TMD_ADDR	000000AF	RG	04
COND4_H	000000BA	RG	04	TM_CLEANUP	00000000	RG	04
COND4_T	000000A3	RG	03	TM_SETUP	000001B3	RG	04
COND4_TAB	000000A3	R	03	VERIFY	00000245	R	04
COND5_C	000000A3	R	03	VERIFYX	00000246	RG	04
COND5_CLEANUP	000000BB	RG	04	VFY_CLEANUP	= 00000002	G	
COND5_H	= 00000014			WORD	*****	X	04
COND5_T	000000BC	RG	04	WRITE_MSG2			
COND5_TAB	000000A4	RG	03				
CTL\$GE_PHD	000000A4	R	03				
DESC	*****	X	04				
EFLAG	= 00000010	G					
EXPV	*****	X	04				
FAO_DESC	*****	X	04				
FAO_LEN	*****	X	04				
FORM_CONDS	000000BD	RG	04				
FORM_CONDSX	000001B2	R	04				
LONG	= 00000004	G					

! Psect synopsis !

PSECT name

PSECT name	Allocation	PSECT No.	Attributes
ABS .	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
\$ABSS	00000000 (0.)	01 (1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
RODATA	00000051 (81.)	02 (2.)	NOPIC USR CON REL LCL NOSHR NOEXE RD NOWRT NOVEC LONG
RWDATA	000000A5 (165.)	03 (3.)	NOPIC USR CON REL LCL NOSHR NOEXE RD WRT NOVEC LONG
SATSSS83	00000250 (592.)	04 (4.)	NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC BYTE

! Performance indicators !

Phase

Phase	Page faults	CPU Time	Elapsed Time
Initialization	35	00:00:00.08	00:00:00.65
Command processing	133	00:00:00.69	00:00:03.39
Pass 1	282	00:00:08.42	00:00:15.16
Symbol table sort	0	00:00:01.08	00:00:01.19
Pass 2	98	00:00:01.81	00:00:04.76
Symbol table output	12	00:00:00.13	00:00:00.36
Psect synopsis output	3	00:00:00.03	00:00:00.04
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	565	00:00:12.24	00:00:25.55

The working set limit was 1500 pages.

44664 bytes (88 pages) of virtual memory were used to buffer the intermediate code.

There were 40 pages of symbol table space allocated to hold 698 non-local and 14 local symbols.

475 source lines were read in Pass 1, producing 20 object records in Pass 2.

33 pages of virtual memory were used to define 24 macros.

! Macro library statistics !

Macro library name

Macros defined

Macro library name	Macros defined
\$255\$DUA28:[SHRLIB]UETP.MLB;1	9
\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	1
\$255\$DUA28:[SYSLIB]STARLET.MLB;2	11
TOTALS (all libraries)	21

1005 GETS were required to define 21 macros.

There were no errors, warnings or information messages.

MACRO/LIS\$:\$SATSSS83/OBJ=\$OBJ\$:\$SATSSS83 MSRC\$:\$SATSSS83/UPDATE=(ENH\$:\$SATSSS83)+EXECMLS\$LIB+SHRLIB\$:\$UETP/LIB

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